Amendments to the Specification

Please replace the paragraph on page 7, beginning at line 14 with the following:

In one respect, the invention relates to a method for metered injection of a fluid packet. A vessel containing a fluid ~~the packet~~ is pressurized to a pressure less than or equal to a hold-off pressure. The fluid ~~packet~~ is subjected to an extraction force to form the fluid packet and extract the fluid packet from the vessel onto a surface.

Please replace the paragraph on page 8, beginning at line 6 with the following:

In another respect, the invention relates to a method for metered injection of a fluid packet. A vessel containing a first fluid ~~the packet~~ is pressurized to a pressure less than or equal to a hold off pressure, the first fluid ~~packet~~ including a first dielectric material. One or more electrodes coupled to a surface adjacent the vessel are energized, the surface including a second fluid comprising a second dielectric material. The first fluid ~~packet~~ is subjected to an extraction force from the one or more electrodes to form the fluid packet and extract the fluid packet from the vessel onto a surface.

Please replace the paragraph on page 8, beginning at line 13 with the following:

In another respect, the invention relates to an apparatus for injecting a fluid packet onto a surface. The apparatus includes a vessel, a pressure manifold, a pressure reservoir, and a device capable of generating a programmable extraction force. The vessel is configured to contain a fluid ~~the packet~~. The pressure manifold is coupled to the vessel. The pressure reservoir is coupled to the manifold and is configured to pressurize the vessel to a pressure less than or equal to a hold off pressure. The extraction force is configured to form the fluid packet and extract the fluid packet from the vessel onto the surface. There may be two or more pressure reservoirs or the vessel may comprise a flow-through injector.

Please replace the paragraph on page 8, beginning at line 22 with the following:

In yet another respect, the invention relates to an apparatus for moving a fluid packet~~, the apparatus comprising~~. The apparatus includes a vessel, a pressure manifold, a pressure reservoir, a device capable of generating a programmable extraction force and an exit port. The vessel is configured to contain a fluid ~~the packet~~. The pressure manifold is coupled to the vessel. The pressure reservoir is coupled to the manifold and is configured to pressurize the vessel to a pressure less than or equal to a hold off pressure. The extraction force is configured to form the fluid packet and extract the fluid packet from the vessel onto the surface. The exit port is coupled to the surface and configured to receive the fluid packet. The exit port is preferably hydrophilic. There can be a plurality of exit ports. A conventional fluidics device may be coupled to the exit port.

Please replace the paragraph on page 37, beginning at line 3 with the following:

Methods and apparatuses for metered injection of a fluid packet. A vessel containing a fluid ~~the packet~~ is pressurized to a pressure less than or equal to a hold-off pressure. The fluid ~~packet~~ is subjected to an extraction force to form the fluid packet and extract the fluid packet from the vessel onto a surface.